'Instant' delays for '67 & '68

By Charles Kolb

Chaos reigned Monday as 7000 students enrolled for the fall term at MIT. The disorganized state of affairs was due in part to a new computer system which was designed to speed the registration procedure. Using the freshmen and sophomores as guinea pigs, the Registrar's Office had hoped to show that schedule changes and adjustments could be provided instantly by computer ...

Eight IBM 1050 printers in two locations on campus addressed subject or section changes to the IBM 7094 at the computation center. The computer was supposed to make instant changes and return the final schedule within a few minutes.

Sophomores, after an hour wait to submit their changes, were asked to return in two or three hours to pick up their new assignment. As the afternoon progressed, delays of five hours were not uncommon. It remains to be seen if those who had not even received their final schedule by the registration deadline Monday afternoon would have to pay the five dollar fine.

The printers, located in Walker trar. Memorial for the freshman and building 26 for the sophomores,

until February.

are scheduled.

yearly.

summer, has become the first

Civil Service examinations

will be starting October 17

ance Examinations will be ad-

ministered October 17 through

April 15, 1965. Seven tests, in all.

The examination is open to

regardless of major study. Over

200 types of positions will be avail-

agencies throughout the United

of the candidates, starting salaries

will range from \$5,000 to \$6,050

attained a sufficiently high score

ination Aptitude Test, the Civil

Further information is available

Service exam will be waived.

in the Placement Office, 1-173.

States, and a few overseas.



Photo by John Torode

Progress? Harried freshmen hardly agree as lines build up, waiting for the computer's "instant" processing. Expressions of impatience were to no avail; freshmen still waited in Walker at 7:30 pm Monday.

periment was designed and con- group. ducted by MIT's Office of Institutional Studies under Robert E. Hewes, director and former regis-

Photo by John Torode

Biannual lineup was in full swing as techmen queue for roll-

cards. Lobby of building 10 gets crowded and Bursar's line gets

longer as 7000 students register. At least it won't happen again

Mrs Widnall joins Engineering faculty

Mrs. Sheila Evans Widnall '60, MIT alumna to serve on the

appointed assistant professor of School of Engineering faculty. Aeronautics and astronautics this Mrs. Widnall is also the first

were the first attempt to use director, who was assisted by Jim time-sharing for an administrative Linderman, '64, and John Howard, '65. Warren D. Wells, regis-The computer-registration ex- trar, worked closely with the

When the new program is perfected processing time for registration material should be cut from two days to a few hours. Design of the system was the This will enable department heads work of Robert E. Holz, associate to check immediately on the size and nature of classes within their departments, or the administration to quickly determine a student's final schedule.

Adams, Athans, Hyatt

Three men have been appointed to professorships to begin this academic year. They are: Dr. Michael Athans, assistant professor of electrical engineering; Mr. Abraham Hyatt, Jerome Clarke Hunsaker Professor of Aeronautical Engineering (visiting); and Dr. Clyde M. Adams, Jr., American Brake Shoe Professor of Metallurgy.

Dr. Athans, an employee of Lincoln Laboratory, became a lecturer in the department of electrical engineering last February. He is also a Ford Post-Doctoral Fellow and the first recipient of the Donald P. Eckman Award of the American Automatic Control

Mr. Hyatt was formerly a top engineering executive of the federal space agency. He has also served in senior engineering positions in the Glenn L. Martin Company and McDonnel Aircraft Corporation. The Hunsaker Chair was low at the Institute, and the first established in 1954 in the Departalumna to hold membership in ment of Aeronautics and Astronautics to honor Professor Hunsaker, emeritus member of the

The 1965 Federal Service Entr- Master degrees simultaneously in Dr. Adams was appointed pro-1961, after following the 5-year unfessor of metallurgy in 1963. He dergraduate honors program in has conducted extensive research in the joining of metals, materials processing, heat transfer and solidification of ice and metals.

> The American Brake Shoe Professorship was founded by the cently in Honolulu. American Brake Shoe Company in 1955 and was originally held, in by the East-West Center, a Con-Foundry Metallurgy, by the late

named to professorships

Council.

MIT engineering faculty.

Dr. Ashley to serve college seniors and graduates at Indian Institute

woman Ford Post-doctoral Fel-

the Tau Beta Pi national engine-

She received her Bachelor and

ering honorary society.

the department.

Dr. Holt Ashley, who was granted a leave of absence from MIT, able -- located with Federal is now in India helping to develop Professor Howard F. Taylor. a new Department of Aeronautics at the Indian Institute of Tech-Depending on the qualifications nology at Kanpur. He is serving with the Agency for International Development there through a non-profit organization. Educa- fessor Emeritus of Naval Archi-In the case that applicants have tional Services, Inc.

The Indian Institute will serve upon the Graduate Record Exam- as a model for training engineers ber 19. and scientists in India, and will eventually educate 1,600 undergraduates and 400 graduates an-

Richard King Mellon Charitable Trusts. Eight other U.S. universities partment of naval architecture at ning, was appointed to a five-man are each to receive such grants to establish fellowships in city plan-

in annual instalments of \$20,000. Half of this amount is to be granted by the school as fellowship aid to one or more Mellon Fellows in city planning, or urban renewal. The other half will be allocated to the

Dr. Manning joined the MIT faculty in 1936, and became Professor of Naval Architecture in Naval District.

He served as acting head of the Department of Naval Architecture and Marine Engineering from 1950-1952. In 1957 he helped establish and then direct a new de- School of Architecture and Planthe University of Sao Paulo in Brazil.

Born in Washington, D. C., in 1892, Professor Manning was Program in Urban Renewal Degraduated from the U.S. Naval sign, sponsored by the Urban Re-Academy in 1914 and received an newal Administration. S.M. degree from MIT in 1920. After having served as superin- made in October.

Killian to be present

Dr. Green '23 will dedicate Green Building Oct. 2

By George Russell

Cecil and Ida Green Building will follow from 4:00 to 5:30. be held starting at 3 p.m. Friday, at MIT, Sept. 30-Oct. 2.

Honored guests at the dedica- ference chairman. tion will be Dr. and Mrs. Green ond Century Fund made the new building possible. Dr. Green, an a'umnus (S.B. 1923, S.M. 1924) of Inc., also of Dallas.

Responses to the formal presentics. Revelle, Director of the Scripps 1.

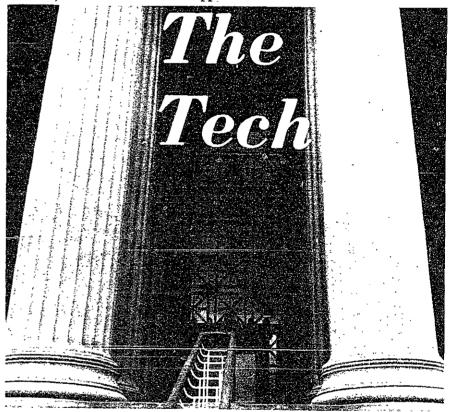
Institution of Oceanography, La Dedication ceremonies for the Jolla, Calif. An open house will

The international conference Oct. 2 in the South Plaza of the will begin at 9:30 am on Wednesbuilding. The dedication will fol-day, September 30, in Kresge low an International Conference Auditorium with opening remarks on the Earth Sciences to be held by Pres. Stratton and Dr. Charles H. Townes, Provost, who is con-

Major topics of discussion will of Dallas, Texas, whose gift of be the earth's environment in \$6 million to the Institute's Sec-space, atmospheric motions, oceanography, and the solid earth.

Speakers will include: Professor Gerard P. Kuiper, Director of the MIT, is Honorary Chairman of University of Arizona Lunar and the Board of Geophysical Service, Planetary Laboratory; Dr. Alek-Inc., Dallas, and a Vice President sandr M. Obukhov, Chairman of and Director of GSI's parent or- the Commission on Atmospheric ganization, Texas Instruments, Physics of the Soviet Academy of Sciences, USSR; and Dr. Walter Dr. James R. Killian, Jr., H. Munk, Professor of Geophysics Chairman of the MIT Corporation, at the University of California at will preside at the dedication. San Diego and Associate Director Some forty members of the Cor- of the University's Institute of poration will be present as hosts. Geophysics and Planetary Phys-

tation of the building by Dr. On Thursday, Dr. A. E. Ring-Green will be given by MIT Pres- wood, Senior Fellow in the Deident Julius A. Stratton, Prof. partment of Physics at the Aus-Henry G. Houghton, Head of the tralian National University, will Department of Meteorology, and deliver a paper on the composi-Prof. Robert R. Shrock, Head of tion and phases of the earth's the Department of Geology and mantle. A conference banquet will Geophysics. Principal speaker at be held at the MIT Faculty Club the dedication will be Dr. Roger the evening of Thursday, October



Communications Conference

Red China examined

experts from MIT participated in west. a conference on communications in national development held re-

The conference was sponsored gress-created organization for the Professor Lerner was a co-direcpromotion of cultural and techni-

of naval materiel for the Boston

Pietro Belluschi, Dean of the

national advisory committee that

met in Washington to evaluate en-

tries in the first Honor Awards

Awards announcements will be

Belluschi on panel

Two communications research cal interchange between east and

Dr. Daniel Lerner, Professor of sociology and international communications, and Dr. Lucian W. Pye, chairman of political science section of Course XIV, were featured speakers at the gathering. tor of the conference with Dr. Wilber Schramm of Stanford University.

Dr. Lerner suggested to the conference that Communist China Dr. George C. Manning, Protendent of ship design at the was substituting propaganda for Naval Station in New Orleans. He more substantial stimulants to economy in its effort to gain increased production. By using massive communications to motivate its people to maximum productivity, the Chinese hoped to score large economic gains.

Dr. Pye told the conference that China's great communications effort had not produced impressive national development, and that China was not progressing as fast as other undeveloped nations.

INDEX Cherchez la Femme2 Editorials Entertainment Kibitzer Peanuts Sports

Mellon charities sends \$100,000 here

MIT and Harvard have each received \$100,000 grants from the ning and urban renewal.

Each school will receive \$100,000, payable over a five-year period schools for faculty salaries to support the fellowship programs.

Dr. George C. Manning, XIII, died in his home

tecture, died at his home in Oswas stationed subsequently at terville, Mass., Saturday, Septemother Navy Yards and for six years was supervising inspector

23

WEDNESDAY, SEPTEMBER

THE TECH

Vol. LXXXIV No. 16 Sept. 23, 1964

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Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

The MIT Image

Probably most freshmen come to MIT with some idea of the Tech 'image.' Many of them think this image is a standard of conformity. Nothing could be farther from the truth.

An MIT 'image' may exist in the minds of some parents and high school teachers and even businessmen; but a little questioning shows that everyone sees the school differently. We have heard the Institute described as everything from a trade school to an Ivy League university, and the students as everything from Wall Street snobs to bespectacled

The impossibility of pinning down the classification of the MIT 'image' reveals the truth of the matter—there is no 'image,' no standard at Tech except the general goal of excellence. Officially the Institute tries to foster the impression of the individual, the 'whole man'-but not any particular man. Recent magazine attempts to classify all MIT students under one heading have been offensive to students and administration alike.

Of course, around the campus there are plenty of images to conform to fraternity images, activities images, political images, even that old standard, the 'collegiate image.' Sometimes the students themselves go to some lengths to cultivate this sort of image; they feel it is expected of them, as much a part of their college training as is the curricu-

There is a certain value to conforming to some social standards; and most of the groups which demand a degree of conformity have good reason for doing so, because these groups are offering a form of training for a later social or professional life with similar standards. But there is a certain danger and futility in conforming to a non-existent 'MIT collegiate image.'

MIT can claim one of the most truly collegiate atmospheres in the country; there is about the Institute an air of striving after knowledge which is unique among American universities. This atmosphere provides the key to success at MIT. Hard work in this environment produces the MIT man, whose outstanding

characteristic is not his Ivy League attire nor his way with women, but his depth of understanding of the basic concepts of science, engineering and the humanities. More, the successful student will have acquired social and civic responsibility, taste for the excellent things in life, and the spirit of leadership which has kept MIT in its top position in the world of education and research.

The particulars of a student's development are up to the individual. He may enjoy athletics, politics, newswriting or information, were more likely to Braintree, not a great distance music; he may be an electrical engineer, inquire if YOU knew about any for those of you with cars, It's an economics major, a management mixers their girls could attend. scholar or a pre-med student. Awareness of the variety of MTT's opportunities and realization of the importance of individual accomplishment will lead the mature student to create his own 'MIT image.'

Activity finances

The recent history of one well-established campus organization re-emphasizes will feature Richard Martin's supposedly for BU students, Tech the necessity of accurate and thorough maintenance of records by activities. An involved series of conferences with the House, which offers its "All Tech mixers. With more schools opening Office of the Dean of Student Affairs and with other student groups have, it now appears, preserved the existence of an organization that has in times past made worthwhile contributions to the undergraduate environment. A new constitution, a new organization and a continuing source of revenue should re-establish this group.

Much of the confusion and internecine bickering that has occurred in this case could have been avoided if competent and thorough sets of constitutional, historical, and financial records had been

The liberties granted by the Institute administration to the students in the selfdirection of student affairs are not a license for exploitation, irresponsibility. or petty politics. The annual turnover budget of many organizations runs into thousands of dollars, and a few groups handle annually tens of thousands of dollars.

It is clear that because of the diversities in size and directions of our activities, no one standard, rigid system of bookkeeping could be appropriate. It is now within the powers of the Finance Board, however, to require presentation of any activity's financial records for review and possible audit.

At present only the records of organizations in obvious trouble, and those organizations which directly seek out help from the Finance Board, are systematically reviewed. An annual review of every group's financial and organizational records would be impractical and unnecessary. However, a system of random spot checks of records continued throughout the year, might well benefit the continuity, solvency, and efficiency of student organizations.

A new scheme of student government on the strength of an opening is in early planning stages. Could this spot-check plan be incorporated?

Freshman Weekend

This year's Freshman Weekend was a great success. Under the leadership of David Rubin '65 the Freshman Coordinating Committee produced a weekend that fully achieved its purpose.

The efforts of the committee began last spring. Committee members made preliminary plans and convinced student leaders of the inevitable success of the weekend. The program was changed to include only one of the Introduction to Technology lectures that had filled previous weekends. More time was allowed for living group orientation. The added time for the living groups was of benefit to the dormitories, which do not have the Rush Week period to begin orientation.

The Activities Midway received a large attendance this year. To the credit of the Freshman Class, it appeared that most of the students were selective, showing interest in several activities rather than indiscriminately attempting to cover the field.

We offer our congratulations to the committee for a job well done.

Cherchez la Femme

Two Tech mixers, Garland, BU stand out from general confusion

Confusion runs rampant at scheduled for Friday. Garland Boston Girls' schools at this time Junior College will hold one at of year, and the same confusion 8.30 at 411 Commonwealth Avenue exists in the mixer information No other information was availthis week. Dormitory social chair- able, so you can assume they men, when asked about mixer want anyone male. The other is in

few schools have emerged from Swedish Charitable Society of the schedule enough to start thinking mentioned, the club's purpose is about girl meeting boy.

the rescue of the dateless tech- Viking Club. There will be Scandiman, is holding a mixer in Walker navian and American dances. Memorial. Admission is \$1.00 for Techmen, although tickets at re- all-university mixer this Saturday duced prices are supposedly avail- at the School of Public Communiable in Building 10 this week. The cations, mixer begins at 8:00, and Avenue, at 8:00. Although this is orchestra.

Competing with IDC is Burton Acquaintance Dance?" from 8 to and others getting better organ-12 Friday, Admission is 99c.

Two other mixers also are larger selection.

sponsored by the Aquilo Club, sub Not all is lost, however, since a titled the Junior League of the beginning-of-term fog to Greater Boston. Although no fee is fund raising, so there will likely This Friday the IDC, coming to be a charge. The dance is at the

Boston University will have an 640 Commonwealth men are generally welcome.

That about covers this week's ized, next week should bring a

Kibitzer

By Alan Rinsky

The MIT Bridge Club sponsored a team-of-four at the Activities Midway last Friday night. The game: any Freshman team-of-four that could tie or beat the Club team at four boards of duplicate West bridge received for each of its \$\lambda \ K Q J 9 8 6 members a free one-semester 🛡 7 Club membership (\$2.00 value). • J 10 3 The results: One freshman team 🌲 9 7 5 tied and four teams lost.

The Club team consisted of the pairs Skeist-Rinsky and the unbeatable Freedman-Humer pair.

For \$2.00, you can become a member of the Bridge Club and Rubber bridge. Neither side vulare entitled to compete for mas-nerable. terpoints at the tournaments which are held nearly every Saturday afternoon in Pritchett Lounge, Walker Memorial. Watch the bulletin boards for announcement of the first tournament. The bridge club has the policy of paying one-half of the entry fee to Boston Sectional tournaments for its members. The normal fee is \$4.00 per person for an all-day sectional, so you get back the cost of your membership fee for play- and East rebid his clubs at the ing in one sectional.

The bidding

East opened 1 diamond with the intention of bidding his clubs twice if he had further opportunities to bid in order to show at the Jack of Hearts. East won that least five cards in each of those

South overcalled with 1 heart hand. After West's 1 spade response, North supported hearts with a good four-card suit and a probab'e side trick in the King of Diamonds. East showed his clubs and South rebid hearts.

At this point, West's hand takes on added value since he has six

💝 A J 10 3 ♠ K 2 **3** 10 4 2 East **♥** K 9 ◆ Q 9 8 7 6 🖧 A K J 63 South A 4 ♥ Q 8 6 5 4 2 **♦** A 5 4

North (dealer)

4 7532

🦚 Q 8

The bidding: North East South West 1 🄷 1 🖤 1 🏚 Pass 3 🏚 3 🖤 3 🦚 Pass 4 🚜 4 🐿 Pass Pass West led the King of Spades.

cards in his partner's bid suits and a singleton in the opponents suit. He rebid his almost selfsufficient spade suit. North passed four level and South bid 4 hearts, the contract.

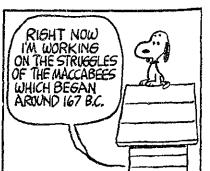
The play of the hand South won the opening lead with the Ace of Spades and finessed trick with the King of Hearts and played his King and Ace of Clubs and led the Jack, which South ruffed in his hand.

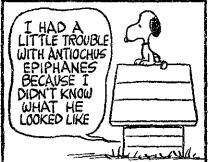
South eventually lost a spade trick and went down one, losing two clubs, a heart, and a spade.

After a short post mortem, it was determined that there was a correct play for the contract.

(Please turn to Page 4)









PEANUTS appears daily and Sunday in the Boston Herald.

Overhage, Sanborn new officers

the mathematical and physical Graduate School. sciences of the American Acadelected its secretary.

Dr. Overhage was director of Smith.

Dr. Carl F. J. Overhage was Lincoln Laboratory and Prof. elected vice president to represent Sanborn is associate dean of the

New members from MIT are: Richard B. Adler, Raymond F. emy of Arts and Sciences, and Baddour, Raymond Hide, Ali Prof. Sanborn C. Brown was Javan, Henry P. McKean, Jr., Louis S. Osborne and Robert A.

FOR DIAMONDS, WATCHES, JEWELRY

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Commencement, Alumni Day

Stratton gives 2 major addresses

were awarded to graduating parents. seniors at commencement exercises in June. Also distributed were 399 masters, 131 doctorals, advanced engineering degrees.

missions for 30 cadets and mid-Robert H. Winters, '33, former job. before at military exercises in and Parliament. Kresge Auditorium.

Symposium

A symposium, entitled "The moderated. Graduate's Role in Tomorrow's World," was held on June 11 in Mr. Hanley spoke from the view-

The speakers were: Edward J. Hanley '24, president of Allegheny Ludlum Steel Corporation; Howard O. McMahon '41, presi-Of these, 222 went to foreign dent of Arthur D. Little, Inc.; Dr. students from 51 lands, and a Jerome B. Wiesner, Dean of the record-breaking 31 to coeds. Com- School of Science; and the Hon. shipmen were awarded the day member of the Canadian cabinet

Glassman, permanent Steve president of the Class of 1964

Hanley's remarks

Kresge as part of the program point of industry at the colloquim,

Six hundred and forty degrees for those graduating and their and was especially concerned with the obsolescence of knowledge:-

"Your education has given you two types of resources. One is a way of thinking, of analyzing, of arranging facts, and reaching conclusions. This will be with you forever. The other is certain technical proficiency-of more or less immediate value in your first

"This latter knowledge will begin to become obsolete the minute you leave school.

"And unless it is updated in your work, or by other means, it will become of less and less value to you and the enterprise to which you will become a part."

'Intellectual capital'

Hanley cited "competent authorities" who have "estimated that the college graduate of 1964, has only six years of intellectual capital. A PhD in Physics has intellectual capital of only seven years. A PhD in engineering owns intellectual capital of only eleven years."

Main speaker of the 98th Commencement was President Julius A. Stratton. In addition, he personally distributed each degree.

In another major event, Doctor Stratton addressed an assembly of nearly 1,500 MIT alumni and their guests the Monday following Commencement.

The Alumni Day gathering was reminded that the true measure of a university is not to be found simply in its new buildings:--

"A great university-like a great city-can see its history and its progress, in part, in its architecture. Its buildings, like the rings of a tree, provide visible evidence of its stages of growth.

"Yet the true measure of a university is found in less tangible things-in the achievements of its alumni, in the character of its scholarship, and, above all, in the effectiveness of its teaching and the aims of its educational plan."

In this context, President Stratton reviewed recent Institute activities calculated to maintain and strengthes MIT's international

Two major activities cited were the review and revision of the undergraduate curriculum now pending before the Faculty, and the establishment of the privatelysupported \$15 million Alfred P. Sloan Fund for Basic Research in the Physical Sciences.

"Our primary aim_in the use of this fund will be to raise to even higher levels the quality, rather than the quantity, of our research," Stratton noted.

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Overseas jobs the topic for 3 speeches at BU

Francis X. Gordon, Executive Director of the International Student Travel Center, will speak to students interested in foreign employment October 5, 4 and 8 pm, and October 6, 8 pm, in the Conference Auditorium of Boston University.

According to the ISTC, yearround and summer jobs in Europe will be available for nearly 800 students and teachers from 17 to 35.

The variety of jobs ranges from resort and hotel work to chauffeuring, factory, and farm work. In the past year over 500 have gained employment abroad through the organization.

Phone LI 2:4600

Movie Schedule

Wednesday. September 23, through Tuesday, September 29 (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00

STOR — 'Night of the Iguana,' 10:00, 12:20, 2:35, 4:50, 7:20, 9:45; Sun. 1:00, 3:05, 5:10, 7:15, 9:30.

BEACON HELL — 'A. House Is Not a Home,' 10:20, 12:15, 2:10, 4:05, 6:00, 8:00, 9:55; Sun. 1:00, 2:45, 4:30, 6:15, 8:10, 10:05.

BOSTON CINERAMA — 'Circus World, eyes, at 8:30, mats. Wed. at 2:00, Sat. and Sun. at 2:00 and 5:15.

BRATTLE — Today, Orsen Welles's "The Trial"; Thurs.-Fri.-Sat., "Wild Strawberries"; Sun.-Mon., "A Midsummer Night's Dream"; Tues.-Wed., Kurosawa's "Yojimbo," Shows daily 5:30, 7:30, 9:30, mats. Sat. and Sun. at 3:30.

CAPRI — 'Lorna,' 10:50, 12:40, 2:30, 4:20, 6:10, 8:00, 9:50; Sun. 1:50, 3:40, 5:30, 7:20, 9:10.

OINEMA KENMORIE SQUARE — 'Seduced and Abandoned,' 1:30, 3:35, 5:40, 7:45, 9:55.

ESQUIRE — 'Tom Jones,' weekdays at 7:00 and 9:20; Sat. and Sun. at 2:15, 4:30, 6:50, and 9:18.

EXETER — 'Mafioso,' 2:15, 4:00, 5:00, 7:40, 9:30.

GARY — 'Behold a Pale Horse,' 10:00, 12:21, 2:42, 5:03, 7:25, 9:46; Sun. 5:11, 7:24, 9:37.

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"Harvarp Square — Burton as "Hamlet" via electronovision, 2:00 and 8:00. Starting Frl.: "Marnle," 1:15, 5:30, 9:25; "The Chalk Garden," 3:25, 7:35.

KEITH MEMORIAL — 'I'd Rather Be Rich,' Mon.-Thurs. 9:30, 12:36, 3:42, 6:48, 9:54; Fri.-Sat. 9:28, 12:36, 3:44, 6:52, 10:00.

LOEW'S ORPHEUM — 'Of Human Bendage,' 10:30, 12:20, 2:10, 4:05, 5:55, 7:50, 9:55; Sun. 1:45, 3:35, 5:30, 7:25, 9:20. MUSIC HALL — 'A Shot in the Dark,' 10:15, 12:30, 2:45, 5:00, 7:20, 9:45; Sun. 1:00, 2:30, 5:20, 9:45.

PARAMOUNT — Wed. and Thurs. only, "Hamlet," starring Richard Burton, at 2:00 and 8:00; starting Fri., 'Quo Vadis,' 10:12, 1:39, 5:06, 8:33.

PARK SQUARE CENEMA — 'Seduc-ed and Abandoned,' 1:30, 3:35, 5:40, 7:45, 9:55.

SAXON — 'The Visit,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.

UPTOWN — 'Bedtime Story,' 11:00, 2:35, 6:15, 9:55; Sun. 3:35, 7:40.

'Pink Panther,' 12:35, 4:15, 7:55; Sun., 1:25, 5:25, 9:25.

WEST END CINEMA — 'The Chocolate Soldier; and 'Maytime,' no times available.

Theatres

CHARLES — opening Tues., Sept. 29, 8:30 pm, 'A Touch of the Poet,' by Eugene O'Neill.

COLONIAL — "Barefoot in the Park," eves. except Sun. at 8:30, mat. Sat. at 2:30.

SHURERT — "Ben Franklin in Paris," eves. except Sun. at 8:30, mats. eves, except Sun. at Sat. 2:30, Tues. 2:15.

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Kibitzer

(Continued from Page 1)

From the bidding and the oping lead, South should know East started with at least h cards in diamonds and clubs at probably only one spade. Then fore East very likely started will one or two hearts, one of which must be the King in order for h point count to be high enough bid as he did.

After winning the opening led with the Ace of Spades, Soul should take the Kirg and Ace d Diamonds and trump his last dia mond with the Three of Hearts the dummy.

Then he leads the Two of Club and East wins with the Ace. East cannot lead a Heart or a Diamond without giving declarer an extra trick, so he must take his King of Clubs and lead the Jack, which South ruffs.

South has seen West discard three diamonds and three clubs so he knows East started with five diamonds, five clubs, one spade and two hearts.

Now South leads a heart and wins with the Ace. A second hear throws East in with the King, at which point he must lead a club or a diamond. Either lead allows South to discard a spade in his hand and ruff with his last trump in the dummy, making the contract.

Three groups form Goldwater coalition

MIT's three pro-Goldwater student political groups have banded together for the presidential campaign. The Students for Goldwater, Young Republicans, and Young Americans for Freedom recently joined forces in a "Goldwater campaign coalition."

The group claims a present membership of over 200, and hopes to enroll 10% of the undergraduate body by November.

The group will staff a booth in building 10 until the election.



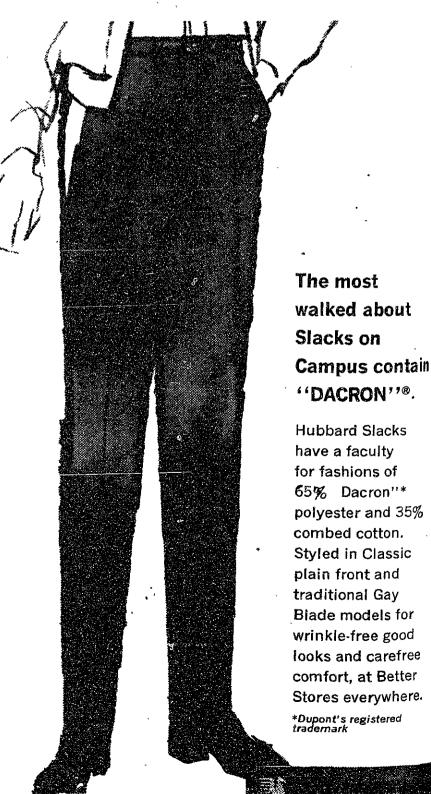
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movies ...

'Pale Horse' effective but boring

By Mona Dickson

Behold a Pale Horse,' now showing at the Clary Theatre, is the type of mcvie Hemingway would have made had he been a movie director. The result is strange, to say the least.

The plot unfolds in typical Hemingway style. Gregory Peck plays Manuel Artigues, a hero of the Spanish revolution banished to France, who has led raids into Spain for twenty years. His age has slowly taken ambition, drive, strength, belief from him. Suddenly he realizes he is old and useless, even though he is still a fiery idealist inside.

Even in weakened condition, Manuel presents a threat to Captain Vignores, of the Spanish police, played by Anthony Quinn. After twenty years of trying, he still must catch Artigues or loose face. When Manuel's mother nears her last days, the Captain sets a trap to catch the son who will surely come to see her. This trap is the substance of the movie, for two solid hours.

Manuel and Vignores are the symbols of age. Into their personal antogonism are drawn two symbols of youth. Omar Sharif plays the intense young Father Francisco (there is irony there somewhere) who is caught between his vows and his ideals. Pepi, the boy with vengeance in a child's heart, represents innocence just beginning to be cor-

rupted.

Except for the priest, all the characters have been corrupted in some way. They are idealistic, but base; cynical, but ever hopeful. Vignores stops for a moment in a chapel to light two candles and pray, "Please, Lord. Help me to capture this man or I will

BEHOLD A PALE HORSE: Produced and directed by Fred Zinneman; Music by Maurice Jarre; Written by J. P. Miller; Based on a story by Emeric Pressburger; starring Gregory Peck as Manuel Artigues, Anthony Quinn as Captain Vignores, Omar Sharif as Father Fransisco, and Marietto Angelleti as Pepi; at the Gary Theatre.

be degraded. It has been twenty years." A few minutes later he is beating information out of a priest.

The film explores youth discovering the faults of the previous generation, age continuing the fight of youth long after reason and ability have worn out, men with heaven and hell coexisting inside them. The psychological possibilities of this movie are great. Unfortunately, they have not been fully developed.

The script is superb, every sentence being a moral yet holding the others in place. "The war is over, Manuel. Why don't you stop?" are some of the first words of the movie. They could as well be the last.

With such a script, the acting reaches unusual heights. But act-



ing and script cannot carry the movie alone.

By attempting to show the grayness of life and ideals, the movie goes too far. "Behold a Pale Horse" becomes gray.

Just what causes the plot to become flat is hard to pin down. The scenery is drab enough to do any avant-guard film justice; the directing is worse than dull. But the most boring aspect of the film is the very thing that could make it most interesting.

If only it were not so closely knit, with a few irrelevant ideas thrown in just for diversion, it would be bearable. A climaxless two hours of moralizing fails to effectively present the ideas it continually launches from the screen.

But there is one saving grace to the program at the Gary—the cartoon. It is a most unusual, enjoyable tale, a folk song set in color. "Little Boy Bad" had the audience clapping after five minutes. It was especially enjoyable to me since I arrived late and saw the cartoon after the main film.



Broadcast of symphony live on WGBC, WCRB

The Boston Symphony Orchestra will broadcast its concerts live again this year. WGBH-FM will carry the Friday series at 2:00 pm and the Saturday series at 8:30 pm. WCRB is planning taped rebroadcasts of out-of-town performances, as well as AM and FM stereo coverage of the Saturday series.

Erich Leinsdorf, musical director and conductor of the symphony, has scheduled for the first concerts, September 25 and 26, Brahms' Academic Festival Overture, Beethoven's Symphony No. 6, and Shostakovitch's Symphony No. 1.



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"TOM JONES"

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LECTURE SERIES COMMITTEE CALENDAR

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Contemporary Series

Opening: FRIDAY, Sept. 25

SOUTH PACIFIC

6:30 & 9:30

Kresge

Coming soon

Oct. 2 The Silence

Oct. 9 Bridge on the River Kwai

Oct. 16 Sundays and Cybele

Oct. 23 The Defiant Ones

Oct. 30 North by Northwest

Nov. 6 Yesterday, Today and Tomorrow

Nov. 13 1984

Nov. 20 Lord of the Flies

Dec. 4 Long Day's Journey into Night

Dec. 11 81/2

Jan. 8 The L-Shaped Room

Jan. 15 Lilies of the Field

Entertainment Series

Opening: SATURDAY, Sept. 26

LAWRENCE OF ARABIA

One Show 7 p.m. Kresge

Coming soon

Oct. 3 From Russia with Love

Oct. 10 Dr. Strangelove

Oct. 17 Charade

Oct. 24 Seven Days in May

Oct. 31 Promises, Promises

Nov. 7 The Pink Panther

Nov: 14 The Wrong Arm of the

Law

Nov. 21 The VIP's

Dec. 5 The Longest Day

Dec. 12 The Victors

Jan. 9 The Cardinal

Jan. 16 Mutiny on the Bounty

In an effort to equalize the admission prices of both movie series while compensative for increasing cost of operation the L.S.C. announces that admission both Friday and Saturday nights will be 50c.

Classic Series

Opening: SUNDAY, Sept. 27

THE END OF ST. PETERSBURG

Membership ticket only 8 p.m. — 10-250

Coming soon

Oct. 4 A Nous la Liberte

Oct. 18 Of Mice and Men

* Oct. 25 What Price Glory?

* Nov. I The Last Laugh

* Nov. 15 Birth of a Nation

Nov. 22 Grand Hotel

Dec. 6 Arsenic and Old Lace

Dec. 13 Spellbound

Jan. 10 Tillie's Punctured Romance

General admission to all but (*)shows, 50 cents. Membership tickets on sale now in Bldg. 10, as well as at the first two shows.

Complete schedules will be available by Sept. 28.

Frosh explore midway



Photo by John Torode

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CLASSES START SEPT. 28

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MTA Station)

Sports, publications and clubs vie for converts as activities stage midway for freshmen. Rockwell Cage was scene of activity Friday night as annual event was staged in connection with freshmen orientation. Crowd views trophies and captured jerseys at crew exhibit as teams hope to gain top frosh athletes.

General Electric awards \$20,000 in grants to MIT

The General Electric Foundation awarded four \$5,000 grants to MIT. The grants are for graduate study in pure mathematics and statistics, metallurgy and ceramics, engineering, and industrial engineering and manufacturing processes.

These four grants were among 150 recently awarded by the General Electric Foundation totaling \$650,000. Lesser amounts were awarded to Brandeis, Boston University, and Harvard.

term papers and class notes, photographs, news items, themes, reports.



notes to bulletin board, pennants to wall, shelf paper, drawer linings.



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Killian, Townes receive honorary degrees attending commencement exercises

Among those at MIT to receive honorary degrees in June were Dr. Killian and Dr. Townes.

Dr. James R. Killian, Jr., Chairman of the Board of MIT, was awarded the Doctor of Humanities degree at the commencement exercises of Rollins College in Winter Park, Florida.

Dr. Charles H. Townes, the Provost, received the honorary degree of Doctor of Science from Worcester Polytechnic Institute after he gave the commencement address at Rice University.

Japanese tour MIT

165 Japanese public school superintendents made MIT and Harvard their choice as this country's leading educational institutions and traveled 7,254 nonstop air miles to tour them.

They arrived from their recordbreaking flight Sunday, September 13 on a Northwest Orient jet. Clocking for the trip was just under 14 hours.

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Making the Scene

S

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28

THIS WEEK

Gardner Museum — Sat., Sept. 26,
Luca Di Cecco, cellist; Boccherini,
Adagio; Brahms, Sonata, Op 99,
Sun., Sept. 27, Stephen Manes, pianist; Beethoven, Sonata, Op. 109;
Chopin, Sonata, Op. 35 ('Funeral
March'); works of Mozart and Nowak, Both concerts at 3:00 pm,
admission free.
Boston Symphony Orchestra — First
concert of the new season, conducted

concert of the new season, conducted by Erich Leinsdorf; Shostakovich, Symphony No. 1; Beethoven, Sym-phony No. 6; Brahms, Academic Festival Overture. Fri. at 2, Sat. at 8:30.

THEATRE

THEATRE

180 Contemporary Series — Fri., Sept.
25, 'South Pacific,' Kreege, 6:30 and
9:30 pm, admission 50c.

180 Entertainment Series — 'Lawrence of Arabia,' Sept. 26, 7:00 pm,
Kreege Auditorium, admission 50c.

180 Classics Series — 'The End of St.
Petersburg,' Sun., Sept. 27, 8:00 pm,
Room 10-250; admission by series
ticket only.

Room 10-250; admission by series ticket only.
Charles Theatre — opening Tues., Sept. 29, Eugens O'Neill's 'A Touch of the Poet,' 8:30 pm.
Colonial — 'Barefoot in the Park,' stairing Myrna Loy; tickets \$2.75 to \$7.50.
Shubert's—Ben Franklin in Paris,' a new musical starring Robert Preston. Tickets from \$2.75 to \$7.50.
MISCELLANEOUS
Museum of Fine Arts — Through Nov. 1, New Acquisitions from the Department of Asiatic Art; also continuing, special exhibitions in the department of prints and drawings.

Museum of Science — 'Backyard Astro-nomy' at the Pianetarium, through Oct. 4; museum admission \$1.00, planetarium admission 50c plus

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museum admission.

29

Boston Public Library — Current Central Library Exhibits include the Nathaniel Hawthorne Centenniel, the Age of Napoleon, Paris, and the Presidency. Admission Free. Presidency. Admission Free.

Institute of Contemporary Art — 'Conmunication by Design,' 400 works by
four Boston area designers; the
exhibit is focused on the commercial
production of design for business and
industrial companies. One of the
designers, Muriel Cooper, was the
first designer on the staff of the Mirpress.

layden Gallery—60 prints by Maurit Escher, through October 5, admission free.

NEXT WEEK MUSIC

Gardner Museum — Oct. 3, Donald Caldwell, violin, Carol Rand, plane, Beethoven, Sonata, Op. 30, No. 3, Haleff, Polka, Oct. 4, Louis Speye, oboe and English horn, with Reginald Boardman, plane; music of Mozart, Schulbert, Hindemith, Khaidaturian, and others. Both concent at 3:00 pm, admission free.

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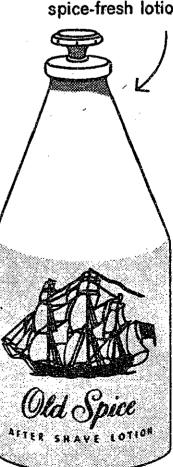
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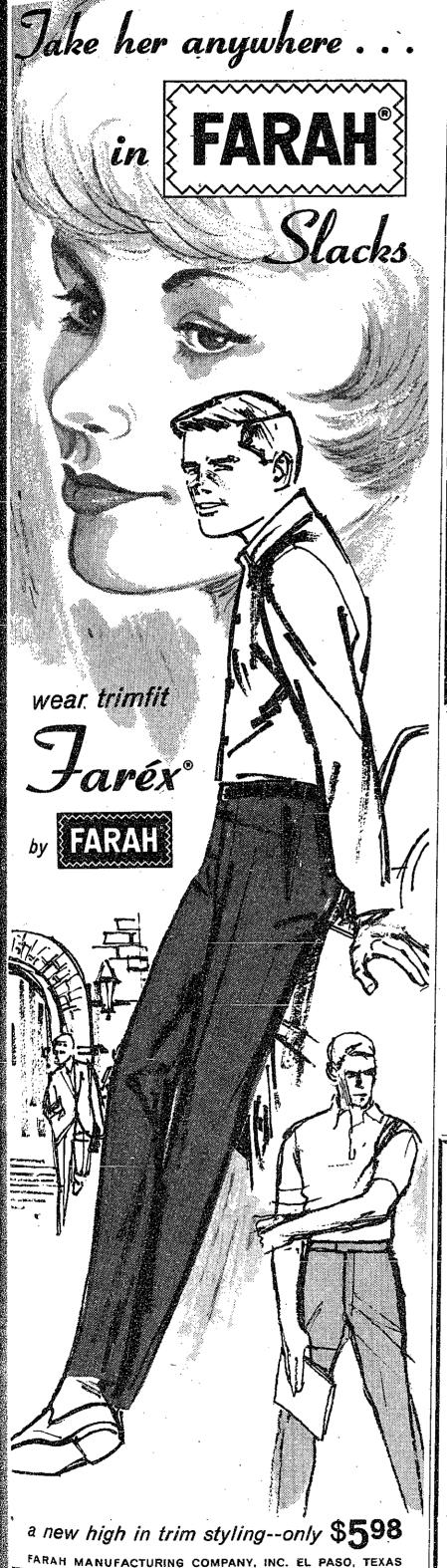


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RACQUETS RESTRUNG Systems engineering course

Orbiting observatory plan developed

Complete preliminary engineer- launch in 1975 on a Martin Comton unmanned satellite were de- go into a 500-mile orbit. veloped last year by a task force of seniors and graduate students.

final report in Kresge Auditorium to representatives of federal agencies and of industry, and wrote a 300-page description of their work.

The satellite - called Advanced Orbiting Astro-physical Observatory (AOAO) - was the second so designed by a systems engineering class here. The first was an equatorial weather satellite.

The satellite was designed for

ing analyses and design for a six-pany Titan III booster. It would

Basic AOAO form would be a hollow cylinder nine feet across The 28-man group presented a and 30 feet high made from sheet beryllium. This would be the barrel of the AOAO's Cassegrain reflecting telescope with a 100-inch primary mirror at the bottom and a 20-inch secondary mirror at the top. Three fin-like equipment lobes would be placed around the barrel, giving AOAO the appearance of a highly-speed airplane with three severely-swept delta wings equidistant around the fuselage.

A conventional two-mirror telescope would project an image out its primary mirror end, but the students found locating image-recording equipment there would give the vehicle an unfavorable weight distribution. The student $\frac{Q}{Q}$ design is for an eight-inch indexing mirror between the larger mirrors and positioned at a 45-degree angle to project the image sideways into the lobe containing a TV camera and instruments to analyze light from stars and planets.

Heat from a reactor known as MACE would produce 1000 watts of power.

The group calls the reactor MACE because conical covers over the converters would give it the appearance of a spiked medieval battle club. Before and during launch, the reactor would be held quiescent by removal of a control plug and would be stored in the power supply lobe. In orbit, the reactor — plus an 18-inch tungsten-and-lithium hydride radiation shield — would be deployed outward on a boom and the contrcl plug inserted. The boom would be of wire mesh which would extend when filled with polyurethane foam on signal.

The communications and data processing lobe would contain a computer, memory storage reservoirs for delayed read-out of data. equipment for converting information gathered by the experiments into digital form, and both narrow band and wide band radio.

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SHULTON THE TECH COOP

Eight return

Soccer squad expects top year despite losses

The MIT soccer team is again looking for a very good season out on the fields and hope to return to their position around the top of the pile in New England. They should easily improve on last year's 5-4-2 record.

The team will undoubtedly miss the services of three-time All-New England and New England scoring champ Bob Mehrabian '64. Mehrabian's three years at Tech saw him lead the team to a total record of 18-7-4, including a 6-1-1 season his junior year. Also lost to graduation were top goalie Dave Dunford and Warren Littlefield.

The squad still looks for an improved season since there are experienced lettermen returning at all eight other spots. Captain Ed Roberts '65 heads the list of returning regulars, which also includes Savit Bhotiwihok '66, Mike Long '65 and Amedeo Odoni '65. Also expected to return to a starting spot is Mohamed Chikhaoui '65, who played his sophomore year but did not play last year.

Beat Mid-Atlantics

Sailors lead New Englanders to win

By W. Thomas Compton

The MIT sailing team got off to a good start last weekend helping the New England team knock off the Mid-Atlantic team 3-2 at King's Point, New York. The New England team consisted of MIT, Coast Guard, and University of Rhode Island. Princeton and RPI joined host King's Point to make up the Mid-Atlantic team.

There were five races of six boats each. The winner of a race was determined by the total numboat received one point for starting the race, one for finishing, and one for each boat it beat.

Cronburg captains MIT

Don Schwanz '66, captured the New England team with Terry Cronburg '66 captaining the MIT boat. Jack Turner '66 and James Cronburg '67 completed the MIT

Freshman practice starts Tuesday, September 22. Varsity sailors have kept in shape all summer and start practice at the same time. The next match is the Pentagonal at Coast Guard September sponsibility of making sure his 27. The freshmen first get into team is transported, lodged and

Tech scores one first

Thirty foot Shield's sloops were raced, which require four man crews. The MIT boat got a first,

touring US team

and cross-country coach, spent trip contingent of Coach Farnham, by the Council. seven athletes and a manager, covered five countries as goodwill ambassadors. The trip, which under the Athletic Association conran from mid-April until early trols the club sports. These games June, included the countries of Senegal, Guinea, Nigeria, Mali, and Ivory Coast.

There were three general activities undertaken by the team on their tour. The squad com- services and obtain funds for peted in actual meets against the equipment and trips. The Athletic Africans, put on exhibitions, and held clinics and lectures concerning track and field.

generally superior to the Africans, president and the secretary. Each but Coach Farnham noted that of these five officers meet once there was a great deal of poten- a week with the Director of Ath- New Hampshire in the final track tial on the teams he saw, espe- letics Ross Smith to discuss procially in Nigeria. The Africans jects and student opinion. seemed to be especially strong in the sprint races and jumping events, while they had weaknesses in the distance races and weight

The general living conditions, especially in the areas of food cisions. This board is made up rent to their development. Our training methods were also somewhat superior, which was one reason why the team made the trip.

and was out. Scoring for the last scoring list.

SDORIS

a second, a third, a fourth, and a race was therefore on a four boat sixth. On the last race, one of basis, since one boat from each the boats broke a main halyard team was eliminated from the

A.A. picks James Joy

to coach frosh crews

The MIT Athletic Department

announced during the summer the

hiring of Mr. James C. Joy to the post of freshman crew coach

and physical education instructor.

Joy, a 1960 graduate of the Uni-

versity of Western Ontario, is

presently employed as teacher-

coach at The Hinckley School,

Mr. Joy was a former member

in Ontario, which won the 1961

Canadian Henley championship

and placed second in the United

Canadian intercollegiate 130 pound

and 137 pound wrestling champion

Schwanz captains

Hinckley, Me.

in 1957-58-59.

MIT Athletic Association

One of the most important aspects of the athletic program at MIT is the role played by the students in the administration of athletics. The large number of opporunities where students can ber of points for each team. Each handle important responsibilities indicates the confidence of MIT in both the values and abilities of student management.

Captains form T-Club Council

The Athletic Association is made up of representatives from each area of the athletic program. The captains of each sport together form the T-Club Council headed by the President of the T-Club. As actual participants in competition the captain is in one of the best positions to discern the real benefits of the intercollegiate program. His judgment is particularly valuable in setting up short range programs like team gatherings as well as longer range plans such as the scheduling of opponents.

The head manager of each sport is the coach's delegate to the Athletic Association with regard to operation of the individual teams. As the controller of the team budget, the manager has the reaction at the Hexagonal at MIT, fed well. He is in the best position to determine where money can be saved and the longer range requirements of his team in planning future budgets.

Council handles IM program

Since the early history of MIT. Farnham coaches the intramural program has been the Intramural Council. The managers of each of the 16 intramural Art Farnham, MIT's head track sports under the leadership of the Intramural Vice-President decide on the policy of the entire prohis spring coaching a U.S. na- gram. Everything from scheduling tional team touring West Africa to referees is handled by the inunder the auspices of the AAU tramural manager. Protests, eliand the State Department. The gibility or other items involving the whole program are handled

New program: club sports

The newest program organized provide the competition of the intercollegiate schedule as well as the casual atmosphere of intramurals. Under the control of the AA Secretary, the teams are able to use the facilities and medical Association is directed by the Executive Committee made up of the president, varsity and intra-The American athletes were mural vice-presidents, the T-Club

Once a month during the school year the Athletic Board meets to discuss the overall philosophy of athletics in general and render final judgment on important dealumni, four representatives from the Athletic Association and five administration officials.

Frosh Sports

Sailors take Nickerson Trophy

the only spring squad to score bet- out with only one win against nine ter than a .500 season. They had an outstanding season, talking all three matches in which they en- ing the scoring drive with four tered, and won the Nickerson tallies. Schroeder was high scorer Trophy, symbolic of the New England freshman championship. At run by the students who form least one freshman skipper figures to push out present varsity men to move onto the top squad.

Baseball

The baseball team swamped Cambridge School in their last first match with Governor Drum- Golf (V) Rhode Island, Away game last spring by a 28-2 score to finish the season with a 3-9 record. Although the squad nearly outscored their opponents in to the staff competition offered total runs scored 96-102, the runs the Tech golfers by squads from didn't seem to be coming at the Harvard, Exeter and Andover. right time. Top men on the frosh squad were pitcher Rick Papan- sure to make the top squad this hausen and third-sacker Mike year as the varsity suffered badly Ryba.

Tennis

A loss in the season finale to Noble & Greenough by a tight 5-4 count brought the netters' record Grads organize crew to 2-9. The two wins came over Dean Junior College and Brown & Nichols by 9-0 and $5\frac{1}{2}$ - $3\frac{1}{2}$ scores. The top three men on the squad, Eric Coe, John St. Peter, and Mike Gelberg will be in top contention for varsity spots next

Track

A victory over the University of meet of the spring season left the cindermen with a 3-3 win-loss record. In this closing meet, which last fall (Classday races), and in the trackmen won 71-65, frosh cindermen John Ryder, Roy Tala and Gordon DeWitte led the victory with wins in the 880 yard run, the mile, and the hammer throw, shot put and discus respectively. creased membership, including and sleep, seemed to be a deter- of three faculty members, three Ryder, DeWitte, Greg Wheeler and oarsmen from MIT, Harvard, Jim Kurt'y are top men for the varsity squad this year. Lacrosse

The frosh lacrossemen had a or Mel Platte X3552.

5-2 final track mark

Trackmen end season with winning record

By Ted Trueblood

The overall outlook on the various spring sports at Tech last term was far from pleasing to Tech sports followers as only the MIT track team has a winning record at the end of the season. Bucking the trend in what must of the St. Catherine's Rowing Club be called a very slow season for the Tech teams, MIT's consistently strong showing cindermen finished the spring season with a 5-2 won-loss record while the States Lightweight National cham-tennis squad finished 8 and 8 for pionships. Mr. Joy was also the a .500 percentage on the season, the lacrossemen came out at 5 and 9, the baseball nine closed at 2-15 and the golfers ended up with a hapless 2-16 record.

Trackmen beat UNH 78-66 Highlighting an otherwise barren spring season with their high competitive spirit, Tech's trackmen won impressively in the early meets of the season and only in their late season meets did they suffer losses to perpetual Eastern strongmen Columbia and Northeastern. In their last school meet of the spring season, the

cindermen made an outstanding comeback after two losses with their strong showing against an other New England powerhouse the University of New Hampshire by winning the meet with a 12 point margin 78-66. Strongmen in the meet, Jim Flink '64, Kin Sloat '64 and Sumner Brown '8 led the team in their winning effort against UNH by taking the 100 and 220 yard dashes, the shot put and discus, and the mile and 880 yard run respectively. Dorshner sets record in hurdle

In the New Englands held at White Stadium in Boston May 2 Tech's trackmen finished eleven in a very strong field of twenty New England college teams. Ter. ry Dorshner '65, MIT's leader in the 440 yard intermediate hudles, won that event in the New Englands in 53.6 seconds to set a new meet record in the hurdles. Sumner Brown, Techis mile man, placed fifth in the mile with a 4:19 showing, a full two seconds off his best time during the regular season. Jim Flink, in his last meet for MIT, made the finals in both the 100 and 20 yard dashes and placed fifth an sixth in the events respectively. Moter-Blumberg third in double

Tech's tennis squad posted a 6-3 win over Trinity in the final match to finish the season with a far from disastrous 8-8 win-los record. Highlighting the spring tennis season was the fine show ing of team captain Jack Moter '64 and Bob Blumberg '64 in the doubles matches at the New England College Tennis Champion ships at Williams College May I Moter and Blumberg placed thin in the tournament, eliminating second seeded Yale 6-4, 64 and third seeded Wesleyan 6-3, 51 6-3 before going down to defeat at the hands of Williams in the semi-finals 5-7 and 0-6.

Lacrossemen finish at 5 and 8 After an extremely slow start on the season, Tech's lacrossemen came back strongly near the ed of spring and won 4 of their lat 6 games to finish the season a 5 and 9. The lacrossemen dropped six of the first seven games of the season and looked like the were headed for a hopeless season until they staged a late sea son rally and salvaged the last half of the season with a strong defensive showing against eastern teams such as Tufts (8-1) and Trinity (7-5).

The freshmen sailing team was poor season last year, finishing losses. Their single win came in a gratifying 6-1 slaughter of Bowdoin though, with Steve Schroeder leadfor the soccermen and is definitely in line for a spot on the varsity squad this year.

not the one for freshman golf at Tech as the team went 0-5-1 for the season, tying only their mer Academy and losing the next five in a row. Their poor showing can be contributed in some part Several of the frosh golfers are by losing many of the top players to graduation.

12:30 pm Tennis (V) Rhode Island, Away

Pentagonal

By P. Blaiklock

Several graduate students, tired of the sedentary life decreed for them, decided to form a graduate crew last fall. It became, and remains, the only all-graduate sports club at MIT.

In spite of initial difficulties finding oarsmen, a crew was entered for the Child's Cup Race the spring, races were arranged against Dartmouth, Amherst and

This season will see an in-Yale, Syracuse and Columbia. Any crew men interested should contact Ralph Copperman X4995

3:00 pm

Friday, September 25 1:00 pm Sunday, September 27 Sailing (V) Coast Guard

Tuesday, September 29

Golf (V) Massachusetts, Home